





# National Weather Service Weather Prediction Center


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## Meteorological Conversions and Calculations

### Heat Index Calculator

[How do we calculate the heat index?](#)

Choose the appropriate calculator and enter the values. Then click "Calculate".

Using Dew Point Temperature	Using Relative Humidity
<div>Air Temperature  <input type="text"/> °F <input type="text"/> °C         </div> <div>Dew Point Temperature  <input type="text"/> °F <input type="text"/> °C         </div> <div> <input type="button" value="Calculate"/> <input type="button" value="Reset"/> </div> <div>Heat Index = <input type="text"/></div>	<div>Air Temperature  <input type="text"/> °F <input type="text"/> °C         </div> <div>Relative Humidity  <input type="text"/> %         </div> <div> <input type="button" value="Calculate"/> <input type="button" value="Reset"/> </div> <div>Heat Index = <input type="text"/> 129 F / 54 C</div>

\* Please note: The Heat Index calculation may produce meaningless results for temperatures and dew points outside of the range depicted on the Heat Index Chart linked below.

[Heat Index Chart and Explanation](#)

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National Centers for Environmental Prediction  
Weather Prediction Center  
5830 University Research Court  
College Park, Maryland 20740  
Weather Prediction Center Web Team  
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